

CLAIMS

I claim:

- 1 1. A locking siding panel assembly, comprising:
 - 2 a plurality of siding panels, each panel having a main body
 - 3 with a front surface, a rear surface, a top edge, a bottom edge
 - 4 and a pair of ends;
 - 5 a locking lap assembly disposed along the back surface of
 - 6 each of said panels at each end of said panels;
 - 7 whereby the locking lap assembly locks adjacent siding panels
 - 8 together securely to prevent them from being separated by wind.
- 1 2. The assembly according to claim 1, wherein said locking
 - 2 lap assembly further comprises: - 3 a generally rectangular spacing member having a front surface
 - 4 and a rear surface, the front surface being secured to the rear
 - 5 surface of said panel; and
 - 6 a locking lap member, having a front surface, a rear surface
 - 7 secured to the front surface of the spacing member, an interior
 - 8 end secured to the spacing member and an exterior end extending
 - 9 farther than the end of said panels;
 - 10 whereby the spacing member provides a space between the
 - 11 locking lap member and said panel for receiving the exterior end
 - 12 of the locking lap member of an adjacent panel for overlappingly
 - 13 locking two adjacent panels.

1 3. The assembly according to claim 1, wherein said panels
2 are single lap siding panels with the main body comprising a
3 plurality of longitudinally extending, generally flat and inclined
4 panel portions interconnected by longitudinally extending offset
5 step portions.

1 4. The assembly according to claim 2, wherein said spacing
2 member comprises a shape conforming to the panels having a main
3 body with a plurality of longitudinally extending, generally flat
4 body portions interconnected by longitudinally extending offset
5 step portions.

1 5. The assembly according to claim 2, wherein said locking
2 lap member comprises a shape conforming to the panels having a
3 main body with a plurality of longitudinally extending, generally
4 flat body portions interconnected by longitudinally extending
5 offset step portions.

1 6. The assembly according to claim 2, wherein said spacing
2 member is secured to the rear surface of said panel by an adhesive
3 layer.

1 7. The assembly according to claim 2, wherein said locking
2 lap member is secured to the front surface of said spacing member
3 by an adhesive layer.

1 8. The assembly according to claim 1, wherein the front
2 surface of said panels is textured to simulate natural wood
3 grains.

1 9. The assembly according to claim 1, further comprising a
2 retaining lip extending along the bottom edge of each of said
3 panels on the rear surface of the panels.

1 10. The assembly according to claim 9, further comprising a
2 curved engaging member extending along the top edge of each of
3 said panels on the front surface of said panels, wherein the
4 engaging member engages the retaining lip of a vertically adjacent
5 panel positioned directly above to align the panels.

1 11. The assembly according to claim 1, further comprising a
2 fastener strip extending along the top edge of each of said
3 panels, said fastener having a plurality of fastener receiving
4 holes for receiving fasteners to secure said panels to a building
5 structure.

1 12. The assembly according to claim 1, wherein said panels
2 are made from a material selected from the group consisting of
3 vinyl, polyvinyl chloride, aluminum, steel and extruded polymer
4 materials.

1 13. The assembly according to claim 12, wherein said panels
2 are made from vinyl.

1 14. The assembly according to claim 1, wherein said locking
2 lap assembly is made from a material selected from the group
3 consisting of vinyl, polyvinyl chloride, aluminum, steel and
4 extruded polymer materials.

1 15. The assembly according to claim 14, wherein said locking
2 lap assembly is made from vinyl.

1 16. A locking lap assembly for securing adjacent siding
2 panels comprising:

3 a generally rectangular spacing member having a front surface
4 and a rear surface, the front surface being secured to a rear
5 surface of a siding panel; and

6 a locking lap member, having a front surface, a rear surface
7 secured to the front surface of the spacing member, an interior
8 end secured to the spacing member and an exterior end extending
9 farther than the end of said panels;

10 whereby the spacing member provides a space between the
11 locking lap member and the panel for receiving the exterior end of
12 the locking lap member of an adjacent panel for overlappingly
13 securing two adjacent panels.

1 17. The assembly according to claim 16, wherein said spacing
2 member comprises a shape conforming to the panels having a main
3 body with a plurality of longitudinally extending, generally flat
4 body portions interconnected by longitudinally extending offset
5 step portions.

1 18. The assembly according to claim 16, wherein said locking
2 lap member comprises a shape conforming to the panels having a
3 main body with a plurality of longitudinally extending, generally
4 flat body portions interconnected by longitudinally extending
5 offset step portions.

1 19. The assembly according to claim 16, wherein said locking
2 lap member is secured to the front surface of said spacing member
3 by an adhesive layer.

1 20. The assembly according to claim 16, wherein said locking
2 lap assembly is made from vinyl.